

Work Assignment Form. (WebForms v1.0)

Performance Work Statement

Work Assignment Number: 1-04

I. ADMINISTRATIVE

A. Title: Revisions to the Superfund Chemical Data Matrix

B. Work Assignment Manager: David Yogi
US EPA
OSRTI (5204P)
1200 Pennsylvania Ave. NW
Washington DC, 20460
Work: (703) 347-8835, Fax (703) 603-9119
e-mail: yogi.david@epa.gov

Alternate Work Assignment Manager: Robert Myers
US EPA
OSRTI (5204P)
1200 Pennsylvania Ave. NW
Washington DC, 20460
Work: (703) 603-8851, Fax (703) 603-9119
e-mail: myers.robert@epa.gov

C. OBJECTIVE

This work assignment provides technical support to the EPA in the Agency's effort to revise values included in the Superfund Chemical Data Matrix (SCDM). The tasks included in the work assignment are conforming changes to align SCDM values with current science associated with the 2003 Regional Screening Levels for Chemical Contaminants at Superfund Sites.

D. BACKGROUND

The Superfund Chemical Data Matrix (SCDM) is a source for factor values and benchmark values applied when evaluating potential National Priorities List (NPL) sites using the Hazard Ranking System (HRS). Factor values are part of the HRS mathematical equation for determining the relative threat posed by a hazardous waste site and reflect hazardous substance characteristics, such as toxicity and persistence in the environment, substance mobility and potential for bioaccumulation. Benchmarks are environment or health-based substance concentration limits developed by or used in other EPA regulatory programs. SCDM contains HRS factor values and benchmark values for hazardous substances that are frequently found at sites evaluated using the HRS, as well as the physical, chemical, and radiological data used to calculate those values.

On January 28, 2004, the EPA released an updated SCDM with many revisions to the HRS factor values and benchmarks. These revisions were necessary both because of updates in the

SCDM procedures used to assign HRS factor values and benchmarks and because of revisions to pertinent standards and criteria for individual hazardous substances and their associated characteristics.

Work Assignment 1-01, Task 7, provides for periodic evaluation and/or updates of SCDM values for particular substances. Under that task, EPA recently requested an update of 50 volatile contaminants. However, EPA has since determined that the remaining approximately 170 substance values need to be updated. Since this effort has outgrown the original intent of WA 1-01, Task 7, EPA is initiating this new work assignment to cover the full approximately 220 SCDM updates. This Performance Work Statement includes the remaining work to be done to update the 50 volatile contaminant updates currently being performed under WA 1-01, Task 7 and the remaining approximately 170 substance value updates. Periodic evaluations and/or updates of individual substances during QA review of HRS documentation records will continue to be performed under WA 1-01, Task 7, as needed.

E. Quality Assurance:

The tasks in this assignment require the use of secondary data. Collection, use and analysis of data will be governed by procedures described in a quality assurance project plan (QAPP) and consistent with the Agency's quality assurance (QA) requirements. The project specific quality assurance requirements must be addressed in the monthly progress reports.

II. TASK DETAIL

The contractor shall perform the following tasks:

Task 0 — Work Plan and Budget Development

The contractor shall prepare a detailed work plan and budget for the accomplishment of the indicated tasks in accordance with the clause *Work Assignments* (EPAAR 1552.211-74), Alternate I. The work plan shall include cost estimates a description of: (a) proposed staff; (b) the number of hours and labor classifications proposed for each task, to include both prime contractor and subcontractor labor; and (c) a list of deliverables, with due dates and schedule for deliverables. This task also includes weekly telephone conferences between the WAM and the project manager, to coordinate and confirm task performance. The contractor shall also submit monthly progress and financial reports pursuant clause, F.2, MONTHLY PROGRESS REPORT (EPAAR 211-70)

Prior to initiating any action under technical direction, the EPA WAM shall ensure that the technical direction falls within the scope of work for this Work Assignment.

Task 1 — Revision of SCDM Benchmarks

The contractor shall revise all (approximately 220) SCDM benchmarks for:

- HRS factor values (e.g., toxicity, mobility)
- SCDM contaminant benchmark values
- Physical, chemical and radiological data used to calculate SCDM values

The contractor shall evaluate and update SCDM values for particular substances by reviewing current references and databases, searching for new data sources, reviewing risk exposure assumptions, reviewing current algorithms and laws, and regulations/rules on benchmark-setting criteria.

Additionally, in revising SCDM benchmarks, the contractor shall utilize human health toxicity values from the following sources in this order:

- EPA's Integrated Risk Information System (IRIS)
- The Provisional Peer Reviewed Toxicity Values (PPRTVs) derived by EPA's Superfund Health Risk Technical Support Center (STSC) for the EPA Superfund program.
- The Agency for Toxic Substances and Disease Registry (ATSDR) minimal risk levels (MRLs)
- The California Environmental Protection Agency (OEHHA) Office of Environmental Health Hazard Assessment's Chronic Reference Exposure Levels (RELS) from December 18, 2008 and the Cancer Potency Values from July 21, 2009.
- PPRTV appendix screening toxicity values.
- The EPA Superfund program's Health Effects Assessment Summary (HEAST).

Finally, the contractor shall also develop benchmarks for air inhalation exposures for all SCDM contaminants using a methodology which is consistent with the Risk Assessment Guidance for Superfund (RAGS), Part F, 2009, which uses neither body weight nor inhalation rates.

III. SCHEDULE OF DELIVERABLES

The deliverables shall be due as stated below. The contractor shall provide the WAM all deliverables and drafts in electronic format only. Electronic files must also be provided upon completion of the Work Assignment.

	<u>Deliverable</u>	<u>Due Date</u>
Task 0:	Work Plan	Within 20 days after receipt of Work Assignment.
	Monthly Progress Report	15 th of each month.
Task 1:	Revise SCDM Benchmarks Support	Will be specified by WAM via Technical Direction.

IV. MISCELLANEOUS

Software Application Files and Accessibility

Software Application files, if delivered to the Government, shall conform to the requirements relating to accessibility as detailed to the 1998 amendments to the Rehabilitation Act, particularly, but not limited to, § 1194.21 Software applications and operating systems and § 1194.22 Web-based intranet and internet information and applications. See: <http://www.section508.gov/>

Preferred text format:	MS Word, 8.0 or higher (Office 2003 or higher)
Preferred presentation format:	Power Point, Office 2003 or higher
Preferred graphics format:	Each graphic is an individual GIF file
Preferred portable format:	Adobe Acrobat, version 6.0
Preferred chart format:	MS Excel/Access for tables

APPENDIX A

EPA Work Assignment Manager (WAM):

Has overall responsibility for monitoring contractor performance on Work Assignment; also provides written technical direction.

Task Monitors:

SARDB SCDM Coordinator: The Headquarters contractors will interface with the Site Assessment and Remedy Decisions Branch SCDM coordinator to discuss technical issues related to the aforementioned conforming changes to SCDM.

SARDB SCDM Coordinator Contact Information: Dave Crawford, Ph: (703) 603-8891, crawford.dave@epa.gov

EPA United States Environmental Protection Agency Washington, DC 20460						Work Assignment Number 1-04					
Work Assignment						<input type="checkbox"/> Other <input checked="" type="checkbox"/> Amendment Number: 000001					
Contract Number EP-W-10-016			Contract Period 08/09/2010 To 07/31/2012			Title of Work Assignment/SF Site Name 1-04 SCDM Revisions					
Base X			Option Period Number								
Contractor COMPUTER SCIENCES CORPORATION						Specify Section and paragraph of Contract SOW					
Purpose:						Period of Performance					
<input type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out						From 12/12/2011 To 07/31/2012					
<input checked="" type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding											
<input type="checkbox"/> Work Plan Approval											
Comments: Work Plan Approval											
<input type="checkbox"/> Superfund Accounting and Appropriations Data <input checked="" type="checkbox"/> Non-Superfund											
SFO (Max 2) Note: To report additional accounting and appropriations date use EPA Form 1900-69A.											
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)	
1											
2											
3											
4											
5											
Authorized Work Assignment Ceiling											
Contract Period: Cost/Fee: LOE: 4,400											
08/09/2010 To 07/31/2012											
This Action: 0											
Total: 4,400											
Work Plan / Cost Estimate Approvals											
Contractor WP Dated: Cost/Fee: LOE:											
Cumulative Approved: Cost/Fee: LOE:											
Work Assignment Manager Name David Yogi						Branch/Mail Code:					
 _____ (Signature) _____ (Date)						Phone Number 703-347-8835					
						FAX Number:					
Project Officer Name Emily Johnson						Branch/Mail Code:					
 _____ (Signature) _____ (Date)						Phone Number: 703-603-8764					
						FAX Number:					
Other Agency Official Name						Branch/Mail Code:					
 _____ (Signature) _____ (Date)						Phone Number:					
						FAX Number:					
Contracting Official Name Eric Schermerhorn						Branch/Mail Code:					
 _____ (Signature) _____ (Date)						Phone Number: 202-564-6095					
						FAX Number:					